

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal604dxj

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | SEP 09 | CA/CAPLUS records now contain indexing from 1907 to the present |
| NEWS | 4 | DEC 08 | INPADOC: Legal Status data reloaded |
| NEWS | 5 | SEP 29 | DISSABS now available on STN |
| NEWS | 6 | OCT 10 | PCTFULL: Two new display fields added |
| NEWS | 7 | OCT 21 | BIOSIS file reloaded and enhanced |
| NEWS | 8 | OCT 28 | BIOSIS file segment of TOXCENTER reloaded and enhanced |
| NEWS | 9 | NOV 24 | MSDS-CCOHS file reloaded |
| NEWS | 10 | DEC 08 | CABA reloaded with left truncation |
| NEWS | 11 | DEC 08 | IMS file names changed |
| NEWS | 12 | DEC 09 | Experimental property data collected by CAS now available in REGISTRY |
| NEWS | 13 | DEC 09 | STN Entry Date available for display in REGISTRY and CA/CAPLUS |
| NEWS | 14 | DEC 17 | DGENE: Two new display fields added |
| NEWS | 15 | DEC 18 | BIOTECHNO no longer updated |
| NEWS | 16 | DEC 19 | CROPU no longer updated; subscriber discount no longer available |
| NEWS | 17 | DEC 22 | Additional INPI reactions and pre-1907 documents added to CAS databases |
| NEWS | 18 | DEC 22 | IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields |
| NEWS | 19 | DEC 22 | ABI-INFORM now available on STN |
| NEWS | 20 | JAN 27 | Source of Registration (SR) information in REGISTRY updated and searchable |
| NEWS | 21 | JAN 27 | A new search aid, the Company Name Thesaurus, available in CA/CAPLUS |
| NEWS | 22 | FEB 05 | German (DE) application and patent publication number format changes |
| NEWS EXPRESS | | | DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003 |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | | General Internet Information |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS PHONE | | | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | | | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:13:26 ON 16 FEB 2004

=> file vet

'VET' IS AN AMBIGUOUS FILE NAME

VETB - Derwent Veterinary Drug File 1968 - 1982

VETU - Derwent Veterinary Drug File 1983 - 2001

Enter the appropriate file name or enter "IGNORE" to continue
accessing the remaining files of your multiple file entry.

ENTER A FILE NAME OR (END):vetu

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.42 | 0.42 |

FULL ESTIMATED COST

FILE 'VETU' ENTERED AT 16:14:21 ON 16 FEB 2004

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FILE LAST UPDATED: 02 JAN 2002

<20020102/UP>

FILE COVERS 1983-2001

=> s chromium

L1 182 CHROMIUM

=> s carnitine

L2 127 CARNITINE

=> s l1 and l2

L3 8 L1 AND L2

=> s farrow?

L4 931 FARROW?

=> s l3 and l4

L5 1 L3 AND L4

=> d l5 1-1 ibib, kwic

L5 ANSWER 1 OF 1 VETU COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 1999-61263 VETU

TITLE: Influence of **chromium** and **carnitine** on
sow reproductive performance.

AUTHOR: Samland C J; Musser R E; Davis D L; Tokach M D

CORPORATE SOURCE: Univ.Kansas-State

LOCATION: Manhattan, Kans., USA

SOURCE: Proc.Am.Assoc.Swine Pract. (29 Meet., 69-74, 1998) 8 Tab. 18
Ref.

AVAIL. OF DOC.: Kansas State University, Manhattan, Kansas, U.S.A.

LANGUAGE: English

DOCUMENT TYPE: Journal

FIELD AVAIL.: AB; LA; CT

TI Influence of **chromium** and **carnitine** on sow
reproductive performance.

AB A retrospective survey of the effect of **chromium** and
carnitine on sow reproductive performance is reported. Feeding
chromium picolinate increased **farrowing** rate when fed
for at least 6 wk before breeding. Dietary L-**carnitine**
increased blood insulin and IGF-1 and also birth weight, sow weight gain
and subsequent **farrowing** total born and born alive. Both
chromium and **carnitine** influence insulin signaling and
may affect the number of follicles maturing and ovulating at estrus.
Further studies on the effect of **chromium** nicotinate and/or
carnitine on ovulation and embryo implantation are underway.
(conference paper: American Association of Swine Practitioners, 29th
Annual Meeting, Des Moines, Iowa, . . .)

ABEX Sows fed 200 ppb **chromium** picolinate (CrP) throughout the
growth and reproductive phases **farrowed** 2.32 more live pigs
than control while pigs fed 500 or 1000 ppb only during the growth phase
showed intermediate. . . pigs by 2.0 In 847 first or second parity
pigs, 200 ppb CrP fed at breeding and during gestation increased
farrowing rate by 13.4% while litter size was the same for parity
1 and 2 pigs. CrP (200 ppb) fed for 157 days before **farrowing**
numerically increased litter size in all parities except 4. Sows fed 200
ppb CrP for 35 days after mating showed an increase in **farrowing**

rate (86% vs. 82%) in only 1 of 2 trials. Addition of L-**carnitine** to the gestation and lactation diet increased sow circulating insulin on day 10 of lactation (63.0 vs. 37.27 ng/ml) and . . 60 (71.25 vs. 37.95 ng/ml), day 90 (33.02 vs. 24.98 ng/ml) and offspring IGF-1 at weaning (119.0 vs. 108.17 ng/ml). L-**carnitine** also increased birth weight (3.48 vs. 3.27 lb), sow weight gain (122.1 vs. 102.5 lb) and subsequent **farrowing** total born and born alive.

CT [01] **CHROMIUM**-PICOLINATE *PH; CRPICOLIN *RN; PH *FT
[02] **CARNITINE** *PH; **CARNITINE** *RN; L-ISOMER *FT;
STEREOISOMER *FT; STEREOCHEM. *FT; TONICS *FT; VITAMINS-B *FT; PH *FT
[02] **CARNITINE** *PH; **CARNITINE** *RN; L-ISOMER *FT;
STEREOISOMER *FT; STEREOCHEM. *FT; TONICS *FT; VITAMINS-B *FT; PH *FT